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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/807,133	03/24/2004	Hiroshi Miyamoto	740107-176	2756	
25570	7590 03/08/2006		EXAMINER		
ROBERTS, P. O. BOX 10	MLOTKOWSKI & H	JONES, JUDSON			
MCLEAN, VA 22102-8064			ART UNIT	PAPER NUMBER	
•			2834		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)	(A)				
ě.		10/807,133	MIYAMOTO, HIROS	SHI (I''				
•	Office Action Summary	Examiner	Art Unit					
		Judson H. Jones	2834					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply								
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).								
Status								
2a)☐ 3)☐	Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro		merits is				
Disposition of Claims								
 4) Claim(s) 1-6 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 1-6 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. 								
Application Papers								
9) ☐ The specification is objected to by the Examiner. 10) ☑ The drawing(s) filed on 24 March 2004 is/are: a) ☑ accepted or b) ☐ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority (under 35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 								
2) Notice 3) Information	te of References Cited (PTO-892) te of Particles of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) or No(s)/Mail Date 032404.	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal F 6) Other:	ate	-152)				

Application/Control Number: 10/807,133

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DETAILED ACTION

Claim Rejections - 35 USC § 103

Claims 1-5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Nanba 5,949,161 in view of Japanese reference 62-166764. (A translation of the Japanese reference will be supplied in the next office action.) Nanba discloses a uniaxial drive unit having a fixed part of a rod shaped magnet 11 and a ring shaped moving part 21 with coils but does not disclose a winding motion transmission member for a driving section slidable in the axial direction.

Japanese reference '764 teaches a driving section (balance weight) 16 for reducing vibration in OA (office automation) equipment with winding transmission member 14 and winding transmission support member 13.

In regard to claims 2-4, the English language abstract of Japanese reference '764 says "a counter weight 16 equal to that of the mover."

In regard to claim 5, see Japanese reference figure 1.

Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Nanba in view of Japanese reference '764 as applied to claim 1 above, and further in view of Naoi et al. 6,367,159 B1. Nanba as modified by Japanese reference '764 teaches the drive unit but does not disclose using it to measure the surface shape of an object. Naoi et al. teaches using a small, precise linear motor to measure the surface of an object with sliders moving linearly along guide shafts. Since Naoi et al. and Nanba as modified by Japanese reference '764 are from the same field of endeavor it would have been obvious at the time the invention was made for one of ordinary skill in the art to have utilized a linear motor with a counter weight for reducing vibration of the

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system and to thus improve the accuracy of measurement, thereby improving the quality of the wafers being produced.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Judson H. Jones whose telephone number is 571-272-2025. The examiner can normally be reached on 8-4:30 M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Darren Schuberg can be reached on 571-272-2044. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Judson Jones 3/6/2006

KARL TAMAI PRIMARY EXAMINER